

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	11 February 2026
Team ID	LTVIP2026TMIDS50285
Project Name	ShopSmart: Your Digital Grocery Store Experience
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Product Management	Admin can Add Products Admin can Update Products Admin can Delete Products
FR-4	Product Browsing	User can View Products by Category User can Search Products
FR-5	Cart Management	Add Product to Cart Remove Product from Cart Update Quantity
FR-6	Order Management	Place Order View Order History Admin can View All Orders
FR-7	Role-Based Access	Separate User & Admin Dashboards Protected Routes for Admin

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application should be easy to use with simple navigation and clean UI.
NFR-2	Security	User passwords must be stored securely and only authorized users can access admin features.
NFR-3	Reliability	The system should correctly store and retrieve user and product data without errors.
NFR-4	Performance	The application should load pages quickly and handle multiple users efficiently.
NFR-5	Availability	The system should be available 24/7 for users to access anytime.

NFR-6	Scalability	The system should support an increasing number of users and products in the future.
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